

103<sup>D</sup> CONGRESS  
1<sup>ST</sup> SESSION

# H. R. 2820

To authorize appropriations for the Federal Aviation Administration for fiscal years 1994, 1995, and 1996 for research, engineering, and development to increase the efficiency and safety of air transport.

---

## IN THE HOUSE OF REPRESENTATIVES

AUGUST 2, 1993

Mr. VALENTINE introduced the following bill; which was referred to the  
Committee on Science, Space, and Technology

---

## A BILL

To authorize appropriations for the Federal Aviation Administration for fiscal years 1994, 1995, and 1996 for research, engineering, and development to increase the efficiency and safety of air transport.

1       *Be it enacted by the Senate and House of Representa-*  
2       *tives of the United States of America in Congress assembled,*

3       **SECTION 1. SHORT TITLE.**

4       This Act may be cited as the “Federal Aviation Ad-  
5       ministration Research, Engineering, and Development Au-  
6       thorization Act of 1994, 1995, and 1996”.

1 **SEC. 2. AVIATION RESEARCH AUTHORIZATION OF APPRO-**  
2 **PRIATIONS.**

3 Section 506(b)(2) of the Airport and Airway Im-  
4 provement Act of 1982 (49 U.S.C. App. 2205(b)(2)) is  
5 amended by striking subparagraph (A) and all that follows  
6 through the end of the paragraph and inserting the  
7 following:

8 “(A) for fiscal year 1994—

9 “(i) \$13,498,000 solely for manage-  
10 ment and analysis projects and activities;

11 “(ii) \$76,939,000 solely for capacity  
12 and air traffic management technology  
13 projects and activities;

14 “(iii) \$35,675,000 solely for commu-  
15 nications, navigation, and surveillance  
16 projects and activities;

17 “(iv) \$1,908,000 solely for weather  
18 projects and activities;

19 “(v) \$7,509,000 solely for airport  
20 technology projects and activities;

21 “(vi) \$40,175,000 solely for aircraft  
22 safety technology projects and activities;

23 “(vii) \$35,430,000 solely for system  
24 security technology projects and activities;

1 “(viii) \$27,756,000 solely for human  
2 factors and aviation medicine projects and  
3 activities;

4 “(ix) \$5,385,000 for environment and  
5 energy projects and activities; and

6 “(x) \$5,725,000 for innovative/cooper-  
7 ative research projects and activities, of  
8 which \$1,000,000 shall be available for the  
9 establishment of a new Aviation Center of  
10 Excellence;

11 “(B) for fiscal year 1995—

12 “(i) \$14,847,000 solely for manage-  
13 ment and analysis projects and activities;

14 “(ii) \$84,000,000 solely for capacity  
15 and air traffic management technology  
16 projects and activities;

17 “(iii) \$39,242,000 solely for commu-  
18 nications, navigation, and surveillance  
19 projects and activities;

20 “(iv) \$2,098,000 solely for weather  
21 projects and activities;

22 “(v) \$8,260,000 solely for airport  
23 technology projects and activities;

24 “(vi) \$44,192,000 solely for aircraft  
25 safety technology projects and activities;

1           “(vii) \$39,523,000 solely for system  
2 security technology projects and activities;

3           “(viii) \$31,716,000 solely for human  
4 factors and aviation medicine projects and  
5 activities;

6           “(ix) \$5,923,000 for environment and  
7 energy projects and activities; and

8           “(x) \$5,199,000 for innovative/cooper-  
9 ative research projects and activities; and

10          “(C) for fiscal year 1996—

11           “(i) \$16,332,000 solely for manage-  
12 ment and analysis projects and activities;

13           “(ii) \$92,402,000 solely for capacity  
14 and air traffic management technology  
15 projects and activities;

16           “(iii) \$43,167,000 solely for commu-  
17 nications, navigation, and surveillance  
18 projects and activities;

19           “(iv) \$2,307,000 solely for weather  
20 projects and activities;

21           “(v) \$9,086,000 solely for airport  
22 technology projects and activities;

23           “(vi) \$48,611,000 solely for aircraft  
24 safety technology projects and activities;

1 “(vii) \$43,475,000 solely for system  
2 security technology projects and activities;

3 “(viii) \$34,887,000 solely for human  
4 factors and aviation medicine projects and  
5 activities;

6 “(ix) \$6,515,000 environment and en-  
7 ergy projects and activities; and

8 “(x) \$5,718,000 for innovative/cooper-  
9 ative research projects and activities.

10 “Not less than 15 percent of the amount appropriated  
11 pursuant to this paragraph shall be for long-term research  
12 projects, and not less than 3 percent of the amount appro-  
13 priated under this paragraph shall be available to the Ad-  
14 ministrator for making grants under section 312(g) of the  
15 Federal Aviation Act of 1958.”.

16 **SEC. 3. JOINT AVIATION RESEARCH AND DEVELOPMENT**  
17 **PROGRAM.**

18 (a) ESTABLISHMENT.—The Administrator and the  
19 heads of other appropriate Federal agencies shall jointly  
20 establish a program to conduct research on aviation tech-  
21 nologies that enhance United States competitiveness. The  
22 program shall include—

23 (1) next-generation satellite communications,  
24 including global positioning satellites;

25 (2) advances airport and airplane security;

1           (3) environmentally compatible technologies, in-  
2           cluding technologies that limit or reduce noise and  
3           air pollution;

4           (4) advanced aviation safety programs; and

5           (5) technologies and procedures to enhance and  
6           improve airport and airway capacity.

7           (b) PROCEDURES FOR CONTRACTS AND GRANTS.—

8           The Administrator and the heads of the other appropriate  
9           Federal agencies shall administer contracts and grants en-  
10          tered into under the program established under subsection  
11          (a) in accordance with procedures developed jointly by the  
12          Administrator and the heads of the other appropriate Fed-  
13          eral agencies. The procedures should include an integrated  
14          acquisition policy for contract and grant requirements and  
15          for technical data rights that are not an impediment to  
16          joint programs among the Federal Aviation Administra-  
17          tion, the other Federal agencies involved, and industry.

18          (c) PROGRAM ELEMENTS.—The program established  
19          under subsection (a) shall include—

20               (1) selected programs that jointly enhance pub-  
21               lic and private aviation technology development;

22               (2) an opportunity for private contractors to be  
23               involved in such technology research and develop-  
24               ment; and

- 1           (3) the transfer of Government-developed tech-
- 2           nologies to the private sector to promote economic
- 3           strength and competitiveness.

